

Potential Hazardous Waste Site  
Preliminary Assessment

Treasure Island Landfill  
Manhattan, New York & Counter Sts.  
Toledo, OH 43611  
OHD980611305

NOT PERA  
Med  
nk  
ly

US EPA RECORDS CENTER REGION 5



422239

The Treasure Island Landfill is located in northeastern Toledo, Lucas County, Ohio and was originally comprised of three smaller landfills. The three landfills are presently considered one and are referred to as the Treasure Island Landfill. The approximate size of the landfilled area is 150 acres. The beginning year of operation is not known, but the landfill was closed in 1965.

All types of industrial and municipal waste were accepted at each of the landfills. A CERCLA Notification of Hazardous Waste Site was filed by Owens-Illinois, Inc. Libbey Plant No. 27, in which they reported the disposal of unknown quantities of arsenic and heavy metals at the Treasure Island Landfill. A series of fires resulted from incompatible wastes; a chemical fire and an underground fire were reported and each burned for several weeks. The homes which once surrounded the landfill have presently been vacated or torn down. It is not known if an adequate cover was applied to the landfill at the time of its closure, but it has been reported that the City of Toledo plans to build a park on part of the landfill.

The City of Toledo, population 354,265, receives its municipal water supply from Lake Erie approximately 6 miles northeast. Because of a history of groundwater contamination, the City of Toledo passed a law restricting the use of wells in the city. Any groundwater contamination will not affect the quality of the municipal drinking water. Subsurface water may be flowing into the Maumee River approximately 6,000 feet from the landfill. This river is used for fishing and recreation by the residents of Toledo.

Due to the unknown characteristic and quantity of hazardous waste, reported chemical fires, citizen complaints, in addition to the close proximity of the population, a medium priority for FIT/State activity is suggested. It is recommended that groundwater monitoring wells be installed to determine if contaminants are migrating offsite. Soil samples of the cover material should also be taken.

1543S/27



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
OH 980611305

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) Treasure Island Landfill		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER Manhattan, New York, & Counter Streets			
03 CITY Toledo	04 STATE OH	05 ZIP CODE 43611	06 COUNTY Lucas	07 COUNTY CODE 95	08 CONG DIST 9
09 COORDINATES LATITUDE 41°40'30"0 LONGITUDE 83°31'30"0		Toledo & Oregon 7.5min Quadrangles			

10 DIRECTIONS TO SITE (Starting from nearest public road)

Take Rt 75 into Toledo. Exit 280 South. Exit east on Central Ave.  
Take Central Ave 1 block east to Counter St. The landfill lies SE of Counter

III. RESPONSIBLE PARTIES

01 OWNER (if known) Unknown		02 STREET (Business, mailing, residential)			
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER ( )		
07 OPERATOR (if known and different from owner) Unknown		08 STREET (Business, mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ( )		
13 TYPE OF OWNERSHIP (Check one) <input type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☐ A. RCRA 3001 DATE RECEIVED: \_\_\_\_\_ MONTH DAY YEAR ☒ B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 6/11/81 MONTH DAY YEAR ☐ C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 12/17/69 MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input checked="" type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify) CONTRACTOR NAME(S): _____			
02 SITE STATUS (Check one) <input type="checkbox"/> A. ACTIVE <input checked="" type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		03 YEARS OF OPERATION unknown 1965 BEGINNING YEAR ENDING YEAR <input type="checkbox"/> UNKNOWN			

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Heavy Metals  
Any substance may be present

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Groundwater (Environment)  
Surface Water (Population/Environment)

V. PRIORITY ASSESSMENT

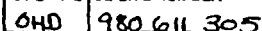
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)  
☐ A. HIGH (Inspection required promptly) ☐ B. MEDIUM (Inspection required) ☐ C. LOW (Inspect on time available basis) ☐ D. NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Dave Ferguson		02 OF (Agency/Organization) OEPA / NWDO		03 TELEPHONE NUMBER 14191352-8461	
04 PERSON RESPONSIBLE FOR ASSESSMENT Jane Anderson		05 AGENCY USEPA	06 ORGANIZATION E&E FIT	07 TELEPHONE NUMBER 13121663-9415	08 DATE 9/11/85 MONTH DAY YEAR

SI Complete 6/18/87

5E0301 / HI  
SW  
10/3/87



☐ I. HIGHLY VOLATILE  
☐ J. EXPLOSIVE  
☐ K. REACTIVE  
☐ L. INCOMPATIBLE  
☐ M. NOT APPLICABLE

## EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
0HD 980 611 305

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☒ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 0

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

The City of Toledo receives its municipal water supply from Lake Erie (>3 miles). Toledo has had groundwater contamination problems and has placed a ban on the use of wells in the city. There is the possibility that this landfill has been the source of much of the groundwater problems. No liners are present.

01 ☒ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 710,000

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

The Maumee River is approximately 6000 feet from the landfill. Through subsurface flow, contaminants may be migrating into the river. This river is used for fishing and recreation in the Toledo area.

01 ☒ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: 710,000

02 ☐ OBSERVED (DATE: pre 1965)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☒ ALLEGED

A series of fires have been reported at the landfill. At least one chemical fire is known. This fire burned for weeks.

01 ☒ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: 710,000

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

Because the nature of the waste is not known and previous fires have been reported, a fire hazard may exist. One fire, linked with the chemical fire burned underground for several weeks.

01 ☒ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: unknown

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

The landfill closed in 1965. It is not known if an adequate cover was applied to the fill area. The City of Toledo wants to make a park on part of the landfill. If an adequate cover was not applied, debris could easily be uncovered.

01 ☒ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: ~150  
(ACRES)

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

The cover soil has never been tested for contaminants.

01 ☒ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 0

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

The City of Toledo receives its drinking water from Lake Erie

01 ☒ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: unknown

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☒ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: unknown

02 ☐ OBSERVED (DATE: \_\_\_\_\_)

04 NARRATIVE DESCRIPTION

☒ POTENTIAL

☐ ALLEGED

It is not known how many people were affected as the result of fumes from the chemical fires. If contaminants are migrating into the river the population may be adversely affected.



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
OHD 980 611 305

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

Through contamination of the water in the Maumee River or contamination of the soil cover, damage to flora and fauna, and the contamination of the food chain is possible.

01 ☒ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

See Sec. J

01 ☒ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

See Sec. J

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills/runoff/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED 210,000 04 NARRATIVE DESCRIPTION

The nature of the waste is not known. It has been determined that heavy metals and arsenic have been disposed. No lining system is present

01 ☒ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

It was reported that the homes in the area around the landfill have been either torn down or vacated. This may be linked to landfill activity.

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☒ POTENTIAL ☐ ALLEGED

None reported. Leachate may drain into sewers

01 ☒ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: \_\_\_\_\_) ☐ POTENTIAL ☐ ALLEGED

At the time the landfill was open, there were no regulations to limit the types of waste coming into the landfill. The landfill was permitted by the Toledo Dept. of Health to operate.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Any digging in the area may uncover potentially hazardous waste.

III. TOTAL POPULATION POTENTIALLY AFFECTED: 210,000

IV. COMMENTS

The Treasure Island Landfill is comprised of 3 smaller landfills. The Toledo Dept. of Health has additional files on this site.

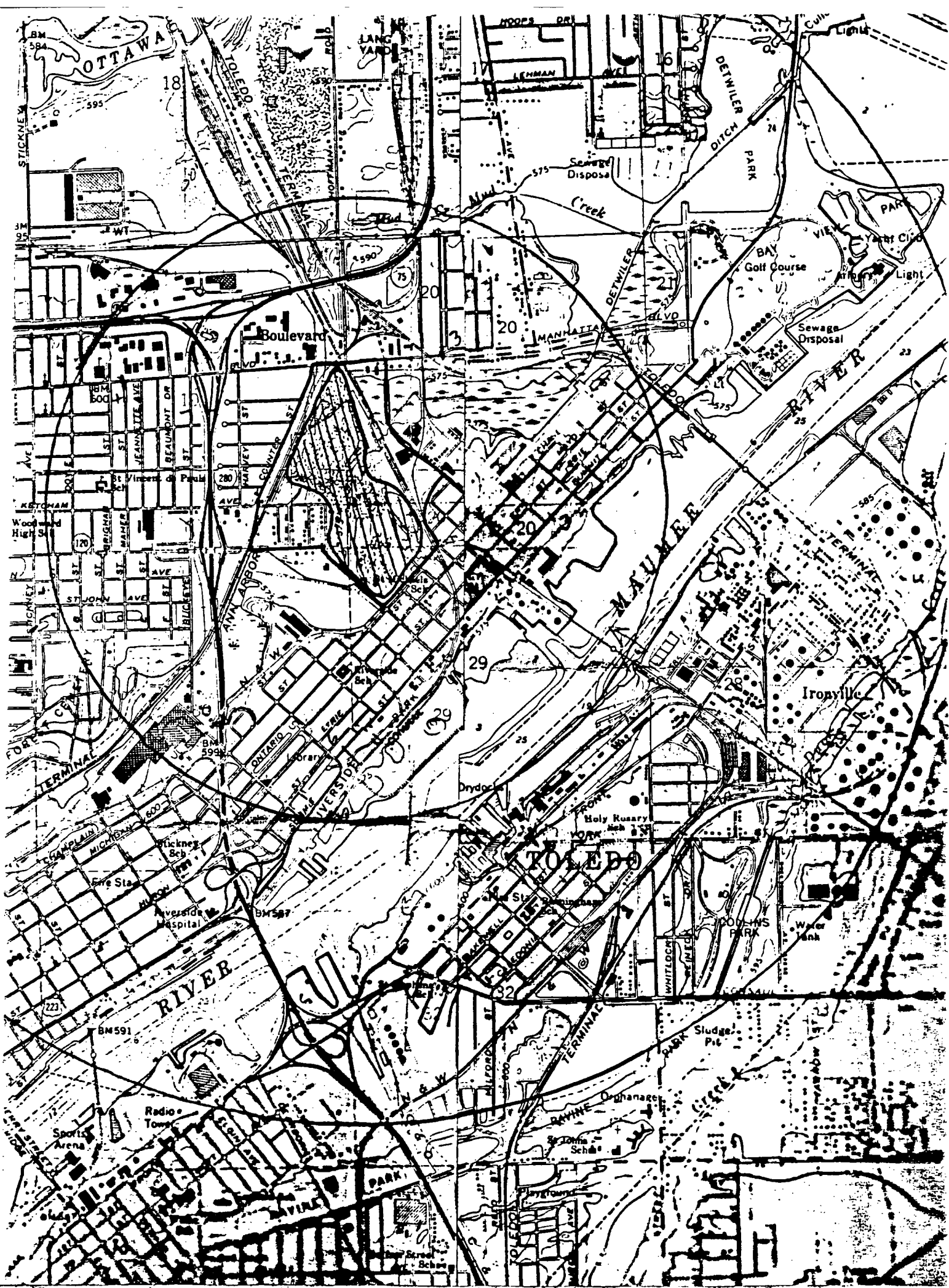
V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

See attached Sheets

## PA DOCUMENTATION SHEET

SITE Treasure Island Landfill  
IDENTIFICATION NUMBER OH0980644305

SOURCE NUMBER	DESCRIPTION OF SOURCE
1A, 1B, 1C, 1D	1A) QUAD NAME <u>Toledo</u> 1B) QUAD NAME _____ SIZE: <u>7.5</u> or 15      SIZE: 7.5 or 15 YEAR <u>65 PR80</u> YEAR _____ 1C) QUAD NAME <u>Oregon</u> 1D) QUAD NAME _____ SIZE: <u>7.5</u> or 15      SIZE: 7.5 or 15 YEAR <u>1965</u> YEAR _____
2	EPA Notification of Hazardous Waste from Owens Illinois Inc. Libbey Plant 27
3	Bag Logs from the Toledo Area
4	Federal List of ENDANGERED Species
5	Phone Log Contact: Jerry Rotterdam of the Toledo Health Department 419-245-1732 on 9/11/85.
6	Letter to T. Kuhlmann of the Toledo Dept of Health from John Baughman of the Div. of Sanitation 12/17/69
7	Water Distribution Study for Toledo OHIO 1981
8	Inventory of Municipal Water Supply Systems by County OHIO DWA 1979
9	Phone Log Contact: Kate Wilson Geologist for OEPA 419-352-8461 on 8/8/85



# Potential Hazardous Waste Site Preliminary Assessment

## Treasure Island Landfill

Manhattan, New York, & Counter Streets

Toledo, Ohio 43611

OH 980 611 305

The Treasure Island Landfill is located in northeastern Toledo, Lucas County, Ohio and <sup>was originally comprised of</sup> ~~is comprised of~~ three smaller landfills. The three landfills are, presently considered one and are referred to as <sup>the</sup> Treasure Island Landfill. The beginning year of operation is not known, but the landfill was closed in 1965. All types of industrial and municipal waste were accepted at <sup>each of</sup> the landfills. <sup>The approximate size of the landfilled area is 1500</sup> A series of fires resulted from incompatible wastes coming into contact. A chemical fire and an underground fire were reported. Each burned for several weeks. Complaints were filed by local residents. ~~The homes~~ ~~in the area which once surrounded the landfill have~~ ~~presently been vacated or torn down.~~ ~~when the landfill was closed in 1965~~ A CERCLA Notification of Hazardous Waste Site was filed by Owens-Illinois Inc. <sup>Libbey</sup> Plant No. 27, in which they reported <sup>the</sup> disposal of <sup>unknown quantities of</sup> arsenic and heavy metals at the Treasure Island Landfill. The homes which once surrounded the landfill have presently been vacated or torn down. It is not known if an adequate cover was applied to the landfill ~~at the time the landfill~~ <sup>when the landfill</sup> at the time of its closure. It ~~was~~ <sup>has</sup> been reported that the City of Toledo plans to build a park on part of the landfill. Any digging in the area may uncover potentially hazardous waste.



The City of Toledo, ~~now~~ population 354,265, receives its municipal water supply from Lake Erie approximately 6 miles northeast. Because of a history of groundwater contamination, the City of Toledo passed a law restricting the use of wells <sup>in the City</sup>. Any groundwater contamination will not affect the quality of the <sup>municipal</sup> drinking water. Subsurface water may be flowing into the Maumee river approximately 6000 feet from the landfill. This river is used for fishing and recreation ~~for~~ <sup>by</sup> the residents of Toledo.

~~Due to the unknown characteristic and quantity of hazardous~~

Due to the unknown characteristic and quantity of hazardous reported chemical fires, citizen complaints, in addition to the <sup>close</sup> proximity of the population, a medium priority for FIT activity is suggested. It is recommended that groundwater monitoring wells be installed to determine if contaminants are migrating off site. Soil samples of the cover material should also be taken.